

September 25, 2017

Dave Blye Environmental Standards, Inc. 1140 Valley Forge Road PO Box 810 Valley Forge, PA 19482

RE: Project: Hudson River Remedial Action M

Pace Project No.: 10403507

Dear Dave Blye:

Enclosed are the analytical results for sample(s) received by the laboratory on September 15, 2017. The results relate only to the samples included in this report. Results reported herein conform to the most current, applicable TNI/NELAC standards and the laboratory's Quality Assurance Manual, where applicable, unless otherwise noted in the body of the report.

If you have any questions concerning this report, please feel free to contact me.

Sincerely,

Carol Davy

Oard Day

carol.davy@pacelabs.com 1(612)607-6436

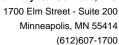
Project Manager

Enclosures

cc: Mark LaRue, Anchor QEA

Meg Michell, Environmental Standards, Inc. Christopher Yates, Anchor QEA, LLC







CERTIFICATIONS

Project: Hudson River Remedial Action M

Pace Project No.: 10403507

Minnesota Certification IDs

1700 Elm Street SE, Suite 200, Minneapolis, MN 55414-

2485

A2LA Certification #: 2926.01 Alabama Certification #: 40770

Alaska Contaminated Sites Certification #: UST-078

Alaska DW Certification #: MN00064 Arizona Certification #: AZ0014 Arkansas Certification #: 88-0680 California Certification #: MN00064 CNMI Saipan Certification #:MP0003 Colorado Certification #: MN00064 Connecticut Certification #: PH-0256

EPA Region 8+Wyoming Certification #: via MN 027-053-

137

Florida Certification #: E87605 Georgia Certification #: 959 Guam EPA Certification #: MN00064 Hawaii Certification #: MN00064 Idaho Certification #: MN00064 Illinois Certification #: 200011 Indiana Certification #: C-MN-01 Iowa Certification #: 368 Kansas Certification #: E-10167

Kentucky DW Certification #: 90062 Kentucky WW Certification #: 90062 Louisiana DEQ Certification #: 03086 Louisiana DW Certification #: MN00064 Maine Certification #: MN00064

Maryland Certification #: 322

Massachusetts Certification #: M-MN064

Michigan Certification #: 9909

Minnesota Certification #: 027-053-137
Mississippi Certification #: MN00064
Montana Certification #: CERT0092
Nebraska Certification #: NE-OS-18-06
Nevada Certification #: MN00064
New Hampshire Certification #: 2081
New Jersey Certification #: MN002
New York Certification #: 11647

North Carolina DW Certification #: 27700 North Carolina WW Certification #: 530 North Dakota Certification #: R-036 Ohio DW Certification #: 41244 Ohio VAP Certification #: CL101 Oklahoma Certification #: 9507

Oregon NwTPH Certification #: MN300001
Oregon Secondary Certification #: MN200001
Pennsylvania Certification #: 68-00563
Puerto Rico Certification #: MN00064
South Carolina Certification #:74003001
Tennessee Certification #: TN02818
Texas Certification #: T104704192
Utah Certification #: MN00064

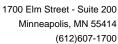
Virginia Certification #: 460163 Washington Certification #: C486 West Virginia DW Certification #: 9952 C West Virginia DEP Certification #: 382 Wisconsin Certification #: 999407970

Wisconsin Certification #. 999407970

Wyoming via EPA Region 8 Certification #: 8TMS-L

REPORT OF LABORATORY ANALYSIS

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SAMPLE SUMMARY

Project: Hudson River Remedial Action M

Pace Project No.: 10403507

Lab ID	Sample ID	Matrix	Date Collected	Date Received
10403507001	OWS-SCHU-T170913160224	Water	09/12/17 11:38	09/15/17 09:45
10403507002	OWS-THIS-T170913160324	Water	09/13/17 15:01	09/15/17 09:45
10403507003	OWS-WAFO-T170913160126	Water	09/12/17 09:53	09/15/17 09:45

REPORT OF LABORATORY ANALYSIS

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1700 Elm Street - Suite 200 Minneapolis, MN 55414 (612)607-1700



SAMPLE ANALYTE COUNT

Project: Hudson River Remedial Action M

Pace Project No.: 10403507

Lab ID	Sample ID	Method	Analysts	Analytes Reported	Laboratory
10403507001	OWS-SCHU-T170913160224	SM 2540D	NAS	1	PASI-M
10403507002	OWS-THIS-T170913160324	SM 2540D	NAS	1	PASI-M
10403507003	OWS-WAFO-T170913160126	SM 2540D	NAS	1	PASI-M

REPORT OF LABORATORY ANALYSIS

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PROJECT NARRATIVE

Project: Hudson River Remedial Action M

Pace Project No.: 10403507

Method: SM 2540D

Description: 2540D TSS, Low Level Client: GE_Anchor QEA, LLC Date: September 25, 2017

General Information:

3 samples were analyzed for SM 2540D. All samples were received in acceptable condition with any exceptions noted below or on the chain-of custody and/or the sample condition upon receipt form (SCUR) attached at the end of this report.

Hold Time:

The samples were analyzed within the method required hold times with any exceptions noted below.

Method Blank:

All analytes were below the report limit in the method blank, where applicable, with any exceptions noted below.

Laboratory Control Spike:

All laboratory control spike compounds were within QC limits with any exceptions noted below.

Matrix Spikes:

All percent recoveries and relative percent differences (RPDs) were within acceptance criteria with any exceptions noted below.

Duplicate Sample:

All duplicate sample results were within method acceptance criteria with any exceptions noted below.

QC Batch: 497455

D6: The precision between the sample and sample duplicate exceeded laboratory control limits.

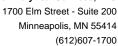
- DUP (Lab ID: 2704927)
 - Total Suspended Solids

Additional Comments:

This data package has been reviewed for quality and completeness and is approved for release.

REPORT OF LABORATORY ANALYSIS

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ANALYTICAL RESULTS

Project: Hudson River Remedial Action M

Pace Project No.: 10403507

Sample: OWS-SCHU- Lab ID: 10403507001 Collected: 09/12/17 11:38 Received: 09/15/17 09:45 Matrix: Water

T170913160224

Parameters Results Units **PQL** MDL DF CAS No. Qual Prepared Analyzed 2540D TSS, Low Level Analytical Method: SM 2540D Total Suspended Solids 1.3 mg/L 1.0 0.52 09/19/17 08:43

1700 Elm Street - Suite 200 Minneapolis, MN 55414 (612)607-1700



ANALYTICAL RESULTS

Project: Hudson River Remedial Action M

Pace Project No.: 10403507

Date: 09/25/2017 03:46 PM

10403507

Sample: OWS-THIS-T170913160324 Lab ID: 10403507002 Collected: 09/13/17 15:01 Received: 09/15/17 09:45 Matrix: Water

Parameters	Results	Units	PQL	MDL	DF	Prepared	Analyzed	CAS No.	Qual
2540D TSS, Low Level Analytical Method: SM		2540D							
Total Suspended Solids	1.4	mg/L	0.99	0.49	1		09/19/17 08:43		D6

REPORT OF LABORATORY ANALYSIS





ANALYTICAL RESULTS

Project: Hudson River Remedial Action M

Pace Project No.: 10403507

Sample: OWS-WAFO- Lab ID: 10403507003 Collected: 09/12/17 09:53 Received: 09/15/17 09:45 Matrix: Water

T170913160126

Parameters Results Units **PQL** MDL DF CAS No. Qual Prepared Analyzed 2540D TSS, Low Level Analytical Method: SM 2540D Total Suspended Solids 3.2 mg/L 1.0 0.51 09/19/17 08:43

(612)607-1700



QUALITY CONTROL DATA

Project: Hudson River Remedial Action M

Pace Project No.: 10403507

QC Batch: 497455 Analysis Method: SM 2540D

QC Batch Method: SM 2540D Analysis Description: 2540D TSS, Low Level

Associated Lab Samples: 10403507001, 10403507002, 10403507003

METHOD BLANK: 2704925 Matrix: Water

Associated Lab Samples: 10403507001, 10403507002, 10403507003

Blank Reporting

Parameter Units Result Limit MDL Analyzed Qualifiers

Total Suspended Solids mg/L <1.0 1.0 0.50 09/19/17 08:43

LABORATORY CONTROL SAMPLE: 2704926

Spike LCS LCS % Rec Parameter Units Conc. Result % Rec Limits Qualifiers **Total Suspended Solids** mg/L 100 93.8 80-120

SAMPLE DUPLICATE: 2704927

Date: 09/25/2017 03:46 PM

10403507002 Dup Max **RPD RPD** Parameter Units Result Result Qualifiers 1.4 1.6 10 D6 Total Suspended Solids 18 mg/L

Results presented on this page are in the units indicated by the "Units" column except where an alternate unit is presented to the right of the result.

REPORT OF LABORATORY ANALYSIS

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QUALIFIERS

Project: Hudson River Remedial Action M

Pace Project No.: 10403507

DEFINITIONS

DF - Dilution Factor, if reported, represents the factor applied to the reported data due to dilution of the sample aliquot.

ND - Not Detected at or above adjusted reporting limit.

TNTC - Too Numerous To Count

J - Estimated concentration above the adjusted method detection limit and below the adjusted reporting limit.

MDL - Adjusted Method Detection Limit.

PQL - Practical Quantitation Limit.

RL - Reporting Limit.

S - Surrogate

1,2-Diphenylhydrazine decomposes to and cannot be separated from Azobenzene using Method 8270. The result for each analyte is a combined concentration.

Consistent with EPA guidelines, unrounded data are displayed and have been used to calculate % recovery and RPD values.

LCS(D) - Laboratory Control Sample (Duplicate)

MS(D) - Matrix Spike (Duplicate)

DUP - Sample Duplicate

RPD - Relative Percent Difference

NC - Not Calculable.

SG - Silica Gel - Clean-Up

U - Indicates the compound was analyzed for, but not detected.

N-Nitrosodiphenylamine decomposes and cannot be separated from Diphenylamine using Method 8270. The result reported for each analyte is a combined concentration.

Pace Analytical is TNI accredited. Contact your Pace PM for the current list of accredited analytes.

TNI - The NELAC Institute.

LABORATORIES

PASI-M Pace Analytical Services - Minneapolis

ANALYTE QUALIFIERS

Date: 09/25/2017 03:46 PM

D6 The precision between the sample and sample duplicate exceeded laboratory control limits.

REPORT OF LABORATORY ANALYSIS

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(612)607-1700



QUALITY CONTROL DATA CROSS REFERENCE TABLE

Project: Hudson River Remedial Action M

Pace Project No.: 10403507

Lab ID	Sample ID	QC Batch Method	QC Batch	Analytical Method	Analytical Batch
10403507001	OWS-SCHU-T170913160224	SM 2540D	497455		
10403507002	OWS-THIS-T170913160324	SM 2540D	497455		
10403507003	OWS-WAFO-T170913160126	SM 2540D	497455		

REPORT OF LABORATORY ANALYSIS

Date: 09/25/2017 03:46 PM

10403407

ENVIRONMENTAL SAMPLE CHAIN OF CUSTODY

Sample Custodian: :qe

Project: Hudson River Remedial Action Monitoring Program - Resuspension Monitoring

COC 1D: COC170913160600PACE

4degC N N 480 4degC N 480 480 Turn Around Time (hrs) MSD LD z z Σ z z METHOD SM 2540D SM 2540D SM 2540D Total Suspended Solids **TEST REQUESTED** Total Suspended Solids Total Suspended Solids # Containers ≥ 3 Media¹ 09/12/2017 09:53 09/13/2017 15:01 **Time Collected** Date Collected 09/12/2017 ₹ Matrix ** QA/QC Ş EN ĒN OWS-WAFO-T170913160126 OWS-SCHU-T170913160224 OWS-THIS-T170913160324 Field Sample ID COC Sample Number 002 83

803

C82

8

Refind	Refinanished by:	Received by:	Relinguished by:	Received by:	Relinavished by:	A Received by:
Signature	7		Signature Ay	Signature Signature A	Signature	2041 My Japanerios
Print Name	J. M. J.	(y an Print Namb. Lisus went	Print Name 9. Bushing	Print Name	Print Name	Print Perfecultured Single
Company A	SOUTH ALCHOL GEA COMPANY PACE		Company pace T:0.3°c Company	Company	Company	Company BACE
Date/Time	नामान	Date/Time 9/14/11/11:11	Date/Time O/(1-11) 16.00 Date/Time	Date/Time	Date/Time	DB 411X119 94
Date Pr	Date Printed: 9/13/2017	77	** C= CENTMENT W= WATED DW= BODE WATED ** W	** W - Total AMM	na na kanana kanana na manana manana na manana	month of the second of the sec

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A ANCHOR

Street Grand Avenue Montrells 170, 201-530-1959 Client: General Electric Company



Document Name:

Sample Condition Upon Receipt Form

Document No.: F-MN-L-213-rev.21

Document Revised: 30Aug2017

Page 1 of 2

Issuing Authority:
Pace Minnesota Quality Office

Courier:	Sample Condition Client Name:	Project #	* WO#:10403507
Counter	Upon Receipt Ala Chov DEA		MOLL TOHOUSON
Counterclai			
Custody Seal on Cooler/Box Present? Custody Seal on Cooler/Box Present? Seals Intact? Seals Intact. S			(2) 1999年 1997年
Packing Material: Bubble Wrap Bubble Bags None Gother: Properties Prope	Tracking Number: 7359 2388 8455		
Packing Material: glubble Wrap glubble Bags None Wother: P Temp Blank? Ves No Thermometer Ussadi: Used:		sls intact?	Yes No Optional: Proj. Due Date: Proj. Name:
Cooler Temp Read (*C): \$\frac{1}{2}\$ Cooler Temp Read (*C): \$\frac{1}{2}\$ Cooler Temp Corrected (*C): \$\frac{1}{2}\$ Stanples on like, cooling process has begun been checked? Stanples on like above freezing to 6 *C* Correction Factor: \$\frac{1}{2}\$ Stanples on like above freezing to 6 *C* Correction Factor: \$\frac{1}{2}\$ Stanples on like above freezing to 6 *C* Correction Factor: \$\frac{1}{2}\$ Stanples on like above freezing to 6 *C* Correction Factor: \$\frac{1}{2}\$ Stanples on like and pass on like and like and pass on like and pass on like and like a		Other:	Temp Blank? Wes No
Lamp should be above freezing to 6°C Correction Factors D. Date and Initials of Person Examining Contents: VD. S S S S S S S S S	Type of	fice: Wet	Blue None Samples on ice, cooling process has begun
USDA Regulated Soil { M A water sample} Old samples originate in a quarantine zone within the United States: AL, AR, CA, FL, GA, ID, LA, MS,			
Did samples originate in a quarantine zone within the United States: AL, AR, CA, FL, GA, ID, LA, MS, ID, LA, MS, IV, NS, NY, NY, OK, OR, SC, TN, TX or VA (check maps)? If Yes to either question, fill out a Regulated Soil Checklist (F-MN-Q-338) and include with SCUR/COC paperwork. COMMENTS: Chain of Custody Present? Chain of Custody Fleinquished? Sampler Name and/or Signature on COC? Chain of Custody Relinquished? Sampler Name and/or Signature on COC? Cyfes No S. Sampler Name and/or Signature on COC? Cyfes No S. Sampler Name and/or Signature on COC? Cyfes No S. Short Hold Time Analysis (-72 In)? Pyes No Short Hold Time Requested? Pyes No S. Sufficient Volume? Correct Containers Used? Pace Containers Used? Pace Containers Used? Pace Containers Used? Pyes No Short Hold Time Received for Dissolved Tests? Pyes No Short Hold Time Received for Dissolved Tests? Pyes No Short Hold Time Received for Dissolved Tests? Pyes No Short Hold State Present? All containers needing acid/base preservation have been checked? All containers needing acid/base preservation have been checked? All containers needing preservation are found to be in compiliance with EPA recommendation? Pyes No Short Hold Pyes No Shide, NaOH-12 Cyanide) Exceptions: VOA, Coliform, TOC/DOC Oil and Grease, BOR/0815 (NaCH, NaOH-92, Shide), NaOH-12 Cyanide) Exceptions: VOA, Coliform, TOC/DOC Oil and Grease, Dyes No Short Hold Shide NaOH-12 Cyanide) Pyes No Short Mol Shide Pyes No Short Mol Shide Pyes No Short Mol Shide Pyes No		5 Date	and Initials of Person Examining Contents:
NC, NM, NY, OK, OR, SC, TM, TX or VA (check maps)?		CA EL GA ID LA	A MS Did samples originate from a foreign source linternationally
Chain of Custody Present? Chain of Custody Present? Chain of Custody Relinquished? Cyfes No 2. Chain of Custody Relinquished? Cyfes No 3. Sampler Name and/or Signature on COC? Cyfes No No N/A 4. Camples Arrived within Hold Time? Cyfes No 5. Short Hold Time Analysis (<72 hr)? Cyfes No 0. Sufficient Volume? Correct Containers Used? Cyfes No 0. Correct Containers Used? Cyfes No 0. Containers Used? Cyfes No 0. Containers Intact? Cyfes No 0. Containers Intact? Cyfes No 0. Containers Intact? Cyfes No 0. Containers Received for Dissolved Tests? Cyfes No 0. Cyfes No 0. Containers Received for Dissolved Tests? Cyfes No 0. Cyfes 0	NC, NM, NY, OK, OR, SC, TN, TX or VA (check maps)?	☐Yes ☐	No including Hawaii and Puerto Rico)?
Chain of Custody Present? Chain of Custody Filled Out? Chain of Custody Relinquished? Cyes No 2. Chain of Custody Relinquished? Cyes No 3. Sampler Name and/or Signature on COC? Cyes No Ni/A 4. Sampler Name and/or Signature on COC? Cyes No Ni/A 4. Sampler Arrived within Hold Time? Cyes No Ni/A 4. Short Hold Time Requested? Cyes No 5. Short Hold Time Requested? Cyes Ni No 6. Rush Turn Around Time Requested? Cyes Ni No 8. Correct Containers Used? Cyes No No 9. Pace Containers Used? Cyes No No Ni/A 11. Note If sediment is visible in the dissolved container Lot if of added containers Intainers needing preservation have been checked? All containers needing preservation are found to be in compilance with EPA recommendation? (HNOs, H ₃ SO ₄ , <2pH, NaOH >9 Sulfide, NaOH >12 Cyanide) Exceptions: VOA, Coliform, TOC/DOC Oil and Grease, Chory No No Ni/A Cyes No Cyes N	If Yes to either question, fill out a Regulated Soil Cl	hecklist (F-MN-	
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Sufficient Volume? Correct Containers Used? -Pace Containers Intact? Filtered Volume Received for Dissolved Tests? -Pace Sample Labels Match COC? -Includes Date/Time/ID/Analysis Matrix: All containers needing acid/base preservation have been checked? All containers needing preservation are found to be in compliance with EPA recommendation? (HNO ₃ , H ₂ SO ₄ , K ₂ PH, NaOH >9 Suffide, NaOH>12 Cyanide) Exceptions: VOA, Coliform, TOC/DOC Oil and Grease, DRO/8015 (water) and Dioxin. Headspace in VOA Vials (>6mm)? CILENT NOTIFICATION/RESOLUTION Person Contacted: Date/Time: No Date/Time: Sample # 10. Note if sediment is visible in the dissolved container 10. 11. Note if sediment is visible in the dissolved container 12. 13.			-
Correct Containers Used? -Pace Containers Used? -Pace Containers Intact? Containers Received for Dissolved Tests? Containers Intact? Containers Intact. Containers	,		· · · · · · · · · · · · · · · · · · ·
-Pace Containers Used? Ores No 10			
Containers Intact? Yes		_	9.
Filtered Volume Received for Dissolved Tests? Yes			40
Sample Labels Match COC? -Includes Date/Time/ID/Analysis Matrix: WT All containers needing acid/base preservation have been checked? All containers needing preservation are found to be in compliance with EPA recommendation? (HNO3, H2SO4, <2pH, NaOH >9 Sulfide, NaOH>12 Cyanide) Exceptions: VOA, Coliform, TOC/DOC Oil and Grease, DRO/8015 (water) and Dioxin. Headspace in VOA Vials (>6mm)? Trip Blank Present? Trip Blank Custody Seals Present? CLIENT NOTIFICATION/RESOLUTION Presson Contacted: DYes No DN/A 15. Field Data Required? Yes No Date/Time:	· · · · · · · · · · · · · · · · · · ·		
-Includes Date/Time/ID/Analysis Matrix: All containers needing acid/base preservation have been checked? All containers needing preservation are found to be in compliance with EPA recommendation? (HNO3, H25O4, <2pH, NaOH >9 Sulfide, NaOH>12 Cyanide) Exceptions: VOA, Coliform, TOC/DOC Oil and Grease, DRO/8015 (water) and Dioxin. Headspace in VOA Vials (>6mm)? Trip Blank Present? Trip Blank Custody Seals Present? CLIENT NOTIFICATION/RESOLUTION Person Contacted: Date/Time:			
All containers needing acid/base preservation have been checked? All containers needing preservation are found to be in compliance with EPA recommendation? (HNO3, H2SO4, <2pH, NaOH >9 Sulfide, NaOH>12 Cyanide) Exceptions: VOA, Coliform, TOC/DOC Oil and Grease, DRO/8015 (water) and Dioxin. Headspace in VOA Vials (>6mm)? Trip Blank Present? Pace Trip Blank Lot # (if purchased): CLIENT NOTIFICATION/RESOLUTION Yes	1. A-	∐No	12.
checked? All containers needing preservation are found to be in compliance with EPA recommendation? (HNO3, H2SO4, <2pH, NaOH >9 Sulfide, NaOH>12 Cyanide) Exceptions: VOA, Coliform, TOC/DOC Oil and Grease, DRO/8015 (water) and Dioxin. Headspace in VOA Vials (>6mm)? Trip Blank Present? Trip Blank Custody Seals Present? Pace Trip Blank Lot # (if purchased): CLIENT NOTIFICATION/RESOLUTION Person Contacted: Ves			Positive for Pas
compliance with EPA recommendation? (HNO3, H2SO4, <2pH, NaOH >9 Sulfide, NaOH>12 Cyanide)	checked?	□No ŒN/A	I 13. I IHNOs 1 IHsOa I INAOH
(HNO3, H2SO4, <2pH, NaOH >9 Sulfide, NaOH>12 Cyanide) Exceptions: VOA, Coliform, TOC/DOC Oil and Grease, DRO/8015 (water) and Dioxin. Headspace in VOA Vials (>6mm)? Trip Blank Present? Trip Blank Custody Seals Present? Pace Trip Blank Lot # (if purchased): CLIENT NOTIFICATION/RESOLUTION Person Contacted: DYes No Date/Time: Initial when Lot # of added completed: preservative: 14. 15. Field Data Required? Yes No Date/Time:			Sample #
Exceptions: VOA, Coliform, TOC/DOC Oil and Grease, DRO/8015 (water) and Dioxin. Yes No Yes No Yes Yes No Yes		□no 🖼 n⁄a 🛚	,
Headspace in VOA Vials (>6mm)?	Exceptions: VOA, Coliform, TOC/DOC Oil and Grease,	/	
Trip Blank Present?			
Trip Blank Custody Seals Present?			
Pace Trip Blank Lot # (if purchased): CLIENT NOTIFICATION/RESOLUTION Person Contacted: Date/Time:		/	
CLIENT NOTIFICATION/RESOLUTION Field Data Required? Yes No Person Contacted: Date/Time:	Pace Trip Blank Lot # (if purchased):		
Person Contacted: Date/Time:	The state of the s		Field Data Required? Tyes TNo
	Parana Cantastad		D : 17:
	Comments/Resolution:		
	4		
Project Manager Review: Date:	Project Manager Review:	vg-	Date: 9/18/17

hold, incorrect preservative, out of temp, incorrect containers).



Analytical Data Package

Prepared by:

Pace Analytical Services

Pace Project No.: 10403507

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InOrganic

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SAMPLE NO.

FORM I INORGANIC-1 INORGANIC ANALYSIS DATA SHEET

OWS-SCHU-	
Г170913160224	

Lab Name: Pace Analytical - Minnesota SDG No. : 10403507 Contract: Hudson River Remedial Action
Lab Sample ID: 10403507001 Percent Moisture:

CAS No.	Analyte	Concentration	Q	Units	DF	Analysis Date/Time
	Total Suspended Solids	1.3		mg/L	1	09/19/2017 08:43

SAMPLE NO.

FORM I INORGANIC-1
INORGANIC ANALYSIS DATA SHEET

OWS-THIS-T	1700131	60334
JVV3-1113-1	1709131	00324

Lab Name: Pace Analytical - Minne	sota SDG No. : 10403507	Contract: Hudson F	River Remedial Action
Lab Sample ID: <u>10403507002</u>		Percent Moisture:	

CAS No.	Analyte	Concentration	Q	Units	DF	Analysis Date/Time
	Total Suspended Solids	1.4		mg/L	1	09/19/2017 08:43

FORM I INORGANIC-1
INORGANIC ANALYSIS DATA SHEET

SAMPLE NO.

OWS-WAFO-T170913160126

_ab Name: Pace A	nalytical - Minnesota	SDG No. : 10403507	Contract:	Hudson River Remedial Action
ab Sample ID: 10	0403507003		Percent Me	oisture:

CAS No.	Analyte	Concentration	Q	Units	DF	Analysis Date/Time
	Total Suspended Solids	3.2		mg/L	1	09/19/2017 08:43

FORM III INORGANIC-1 BLANKS

Lab Name: Pace Analytical - Minnesota	SDG No. : 10403507 Contract : Hudson River Remedial Action M
Method Blank Matrix: <u>Water</u>	Instrument ID: 10WET4

Method Blank Concentration Units: mg/L

Analyte	Initial Calibration Blank	Calibration		Continuing Calibration Blank				Method Blank		
ŕ		С		С	(С		С	2704925	С
Total Suspended Solids									<1.0	U

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SAMPLE NO.

FORM VI INORGANIC-1 DUPLICATES

2704927DUP	

Lab Name:	Pace Analytical - Minnesota	_SDG No. : <u>10403507</u>	Contract:	Hudson River Remedial Action
Matrix:	Water	Concentration Units: mg/L		
Percent Mo	isture:	Basis: Wet		

Analyte	Control Limit	Sample	Duplicate	RPD
Total Suspended Solids	10	1.4	1.6	18*

SAMPLE NO.

FORM VII INORGANIC-1 LABORATORY CONTROL SAMPLE

70)49	261	l C	S	

Lab Name: Pace Analytical - Minnesota SDG No. : 10403507 Contract: Hudson River Remedial Action

Matrix: Water

Analyte	Units	True	Found	%R	Lin	nits
Total Suspended Solids	mg/L	100	93.8	94	80	120

FORM IX INORGANIC-1 METHOD DETECTION LIMITS

Lab Name: Pace Analytical - Minnesota SDG No.: 10403507 Contract: Hudson River Remedial Action M

Preparation Method: SM 2540D Instrument ID: 10WET4

Concentration Units: mg/L

Analyte	PQL	MDL	MDL Date
Total Suspended Solids	2.0	1.0	04/01/2015

FORM XII INORGANIC-1 PREPARATION LOG

Lab Name: Pace Analytical - Minnesota SDG No. : 10403507 Contract: Hudson River Remedial Action M

Preparation Method: SM 2540D Batch: WET 55387

Lab Sample ID	Sample Name	Preparation Date	Initial Volume (mL)	Final Volume (mL)
2704925	2704925	09/19/2017	1000	500
2704926	2704926	09/19/2017	1000	500
2704927	2704927	09/19/2017	970	500
10403507001	OWS-SCHU-	09/19/2017	970	500
10403507002	OWS-THIS-	09/19/2017	1015	500
10403507003	OWS-WAFO-	09/19/2017	980	500

FORM XIII INORGANIC-1 ANALYSIS RUN LOG

Lab Name: Pace Analytical - Minnesota SDG No. : 10403507 Contract: Hudson River Remedial Action M

Instrument ID: 10WET4 Analysis Method: SM 2540D

Start Date: 09/19/2017 08:43 End Date: 09/19/2017 08:43

Sample Name	Lab Sample ID	D/F	Date	Time	tss w
2704925BLANK	2704925	1	09/19/2017	08:43	Х
2704926LCS	2704926	1	09/19/2017	08:43	Х
2704927DUP	2704927	1	09/19/2017	08:43	Χ
OWS-SCHU-T170913160224	10403507001	1	09/19/2017	08:43	Х
OWS-THIS-T170913160324	10403507002	1	09/19/2017	08:43	Х
OWS-WAFO-	10403507003	1	09/19/2017	08:43	Χ

Mace Analytical Prep Log Report

Batch Information: WET 55387 TSS LL

09/19/2017 11:20 | JCY 09/19/2017 14:37 | JCY 10WET4 Oven Temp Correction Factor Desic. Out 2 Date/Time | Init Desic. Out 1 Date/Time | Init Instrument 14 | 09/19/2017 12:55 | NAS 14 | 09/19/2017 10:19 | JCY 4310 NAS Thermometer ID Desic. In 2 ID | Date/Time | Init Desic. In 1 ID | Date/Time | Init Analyzed By **Batch Notes** 104.0 | 104.0 | 09/19/2017 10:19 | JCY 105.0 | 105.0 | 09/19/2017 12:55 | NAS 09/19/2017 16:26 SM 2540D 10WET17 Analysis Method

Oven ID

Oven Temp Out1 | Oven Temp Out2 | Corr | Date/Time | Init Reviewed By Date

Sample Information:

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Version: F-I
Version: F-I
<u></u>

106.0 | 106.0 | 09/19/2017 08:43 | NAS

Oven Temp In1 | Corr Date/Time | Init

103-105 C

Acceptance Range:

105.0 | 105.0 | 09/19/2017 11:31 | JCY

Oven Temp In2 | Corr Date/Time | Init

KEO

Reviewed By

(g) S łW nevO	0.1197	0.2150	0.1181	0.1181	0.1245	0.1168	
î əsU nəvO	N	Z	N	N	Z	N	
(g) I ³W nəvO	0.1198	0.2150	0.1181	0.1181	0.1246	0.1169	
Filter Use 1	M	M	M	M	M	M	
Filter Wt 1 (9)	0.1199	0.1212	0.1168	0.1150	0.1231	0.1152	
TSS Filters ()	130327 ()	130327 ()	130327 ()	130327 ()	130327 ()	130327 ()	
əmuloV lisitinl (Jm)	1000	1000	970	086	1015	970	
Run Date/Time	09/19/2017 08:43	09/19/2017 08:43	09/19/2017 08:43	09/19/2017 08:43	09/19/2017 08:43	09/19/2017 08:43	
TSS Posted (J/gm)	-0.40000	187.60	2.6000	6.2000	2.8000	3.2000	
(J\gm) Isni3 SST	-0.20000	93.800	1.3402	3.1633	1.3793	1.6495	ā
al	d14A9	d13B0	d13B1	d13B2	d13B3	d13B4	
Select	Ā	Y	Ā	Ā	Y	Ā	
Gi əlqms2 ds1	2704925	2704926	10403507001	10403507003	10403507002	2704927	
Sample Type	BLANK 2704925	rcs	PS	PS	RQS	DUP	
GC Rule	2540D WLL	, 2540D WLL	2540D WLL	2540D WLL	2540D WLL	2540D WLL	

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TS/TDS-SPK (mL)		131569 (1000)				
Sample Notes			*1	1*		
Oven Wt Diff 1&2	0.0001	0.0000	0.0000	0.0000	0.0001	
Oven %Diff 1&2	299.99	0.0000	0.0000	0.0000	9968.9	
S esU nevO	Y	Y	Y	Y	Y	
Di əlqms2 ds	2704925	2704926	10403507001	10403507003	10403507002	0500
Sample Type	\sim	rcs	PS	PS	RQS	7 11:04:34 -(
gC Rule	2540D WLL	2540D WLL	2540D WLL	2540D WLL	$\sqrt{2540D}$ WLL	Gi Wed, 4 Oct 2017 11:04:34 -0500 9
					2	5 of 26



TS/TDS-SPK (mL)		
Sample Notes	1 *	
Oven Wt Diff 1&2	0.0001	
Oven %Diff 1&2	9090'9	
Ven Use 2	Y	
Di əlqms2 dsJ	2704927	
Sample Type	DUP	. 36
^{อเก} ษ วช	540D WLL	Sample Note

Sample Notes:

1*: Insufficient sample volume

Standard Notes:

131569: TS/TSS/TDS Handmade Standard, 10WET4